GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:818
ANSWERED ON:26.07.2001
RESEARCH CENTRES UNDER ICAR IN AP
ALE NARENDRA

Will the Minister of AGRICULTURE be pleased to state:

(a) the names of research centres and the projects under the Indian Council of Agricultural Research in Andhra Pradesh location-wise;

(b) the details of the funds allocated and expenditure incurred by the Government on each of them during each of the last three years, project-wise;

(c) the details of the achievements made by them during the above period; and

(d) the impact thereof on the Agricultural production in the State?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. DEBENDRA PRADHAN)

(a) & (b) : Names of Research Centres and Projects under Indian Council of Agricultural Research (ICAR) in Andhra Pradesh and details of funds allocated and expenditure incurred by the Government on them are given in Annexe-I.

(c) & (d): Several varieties/hybrids have been identified/developed/released in different crops, notable are food crops (72), oils seeds (7), pulses (4), commercial crops (8) and Horticultural crops (33). In addition to that, several promising technologies have also been developed and the notables ones are given in annexe-II alongwith the impact of technologies thereof on the agricultural production in the State.

ANNEXE - I

RESEARCH INSTITUTES/CENTRES/PROJECTS IN ANDHRA PRADESH

PLAN (Rs. in lakhs)

SL. No.	Name of the Institute/Scheme	Location	1998-99		1999-2000		2000-2001	
			Allo Cation	Expen diture	Allo cation	Expen diture	Allo cation	Expen diture
1.	NRC Sorghum	Hyderabad	82.00	81.99	140.00	138.93	99.00	98.65
2.	AICRP Sorghum	Hyderabad	266.00	256.34	200.00	199.87	199.00	214.83
3.	PD Rice Research	Hyderabad	337.00	302.27	340.00	270.14	245.19	241.04
4.	AICRP Rice	Hyderabad	296.00	330.72	300.00	369.85	400.81	400.71
5.	Central Tobacco Research Institute	Raja mundri	69.00	68.99	90.00	89.99	85.00	85.00
6.	PD Oilseed Research	Hyderabad	153.00	104.87	119.63	119.63	208.25	168.22

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7. AICRP Oilseed	Hyderabad	431.00	503.10	460.37	460.37	201.75	221.75
8. AICRP Linseed	Hyderabad				100.00	110.00	
9. AICRP Sesame&Niger	Hyderabad				116.00	126.00	
10. Network Economics	Hyderabad	38.08	38.13	35.00	34.97	66.00	66.00
11. RC Oilpalm	Pedavagi	140.00	139.99	105.00	104.21	80.00	79.74
12. Central Research Institute for Dryland Agriculture	Hyderabad	155.00	154.99	121.00	121.00	126.00	125.99
13. AICRP Agro meterology	Hyderabad	110.00	110.00	115.00	115.00	150.00	150.00
14. AICRP Dryland Agriculture	Hyderabad	340.00	339.99	339.00	339.00	410.00	410.00
15. PD Poultry Research	Hyderabad	140.00	139.58	200.00	177.55	150.00	146.42
16. AICRP Poultry Research	Hyderabad	134.00	124.98	130.00	130.00	150.00	150.06
17. NAARM	Hyderabad	77.00	71.52	160.00	137.69	133.00	
18. NRC Meat	Hyderabad			15.00	3.20	30.00	
19. ZCU, Zone-V	Hyderabad	50.10	38.74	40.90	34.08	41.20	
20. NBPGR Regional	Hyderabad	53.25	51.94	58.20	56.90	54.90	51.99
21. AICRP on Cropping Systems Research	Hyderabad	23.06	23.30	20.07	18.10	21.06	29.15
22. AICRP on Weed	Hyderabad	6.83	7.08	5.37	2.00	6.23	6.24
23. AICRP on Dryland	Hyderabad	19.91	12.61	19.49	12.04	15.03	15.03
24. AICRP on Salt Affected Soils	Hyderabad	13.97	23.30	12.85	14.64	12.24	17.90
25. AICRP on Long Term Fertilizer Experiments	Hyderabad	-	-	3.00	3.00	2.80	2.80

26. AICRP on Soil	Hyderabad	13.64	13.64	14.96	14.96	10.39	10.39
27. AICRP on Soil Test Crop Response	Hyderabad	8.10	8.10	9.64	9.64	9.64	9.64
28. AICRP on Micro-Secondary Nutrient	Hyderabad	9.90	9.90	8.48	8.48	12.25	12.25
29. AICRP on Biological Nitrogen Fixation	Hyderabad	3.87	3.87	2.33	2.33	1.88	1.88
Krishi Vigyan Kendras							
30. CTRI cheria	Kalava	25.07	25.07	34.20	34.20	31.37	31.37
31. CRIDA	Ranga	17.50	17.50	34.60	34.60	29.55	29.55
32. Malyal	Warangal	7.32	7.32	7.00	7.00	15.17	15.17
33. Nandyal	Kurnool	5.75	5.75	8.23	8.23	16.77	16.77
34. UMDI	West Godavari	5.20	5.20	11.20	11.20	24.39	24.39
35 Krishi Vigyan Kendra kuntabi	Rasta	8.03	8.03	8.20	8.20	11.96	11.96
36 Krishi Vigyan Kendra valsa	Amadala	4.72	4.72	8.65	8.65	12.42	12.42
37 Krishi Vigyan Kendra	Anantpur	7.10	7.10	7.10	7.10	13.03	13.03
38 Krishi Vigyan Kendra	Gadipalli	24.12	24.12	30.40	30.40	34.05	34.05
39 Krishi Vigyan Kendra patanam	Vishakha	5.90	5.90	-	-	12.34	12.34
40 Krishi Vigyan Kendra	Jamikunda	15.68	15.68	15.10	15.10	19.15	19.15
41 Krishi Vigyan Kendra	Guntur	16.09	16.09	18.33	18.33	24.45	24.45
42 Krishi Vigyan Kendra	Kurnool	12.90	12.90	17.60	17.60	27.79	27.79
43 Krishi Vigyan Kendra nagar	Mahboob	10.35	10.35	8.60	8.60	5.67	5.67

44 Krishi Vigyan Kendra	Medak	11.32	11.32	10.50	10.50	11.55	11.55
45 Krishi Vigyan Kendra	Tirupati	18.35	18.35	14.30	14.30	11.82	11.82
46 Trainer`s Training Centre, CRIDA	Hyderabad	18.75	18.75	16.05	16.05	23.70	23.70
47 AICRP on Pig	Tirupati	19.39	19.39	19.39	17.04	18.03	14.41
48 Germplasm and Data Recording Units of Cattle	Guntur	44.13	45.31	36.54	40.89	47.32	47.32
49 Network Project on Sheep Improvement	Palamner	15.07	12.64	16.76	13.96	16.04	15.98
50 Network Project on Animal Genetic Resources	Hyderabad	8.00	6.80	8.25	6.65	-	-
51 Network Project on Agriculture Byproducts	Hyderabad	8.25	8.25	9.00	8.66	9.50	8.55
52 AICRP on Foot and Mouth Disease	Hyderabad	4.00	4.00	5.60	5.60	7.60	7.60
53 AICRP on Animal Diseases and Monitoring Surveillance	Hyderabad	8.50	8.50	8.62	8.62	4.48	4.48
54 AICRP on Agricultural Drainage	Hyderabad	10.17	-	11.88	-	12.00	-
55 AICRP on Farm Implements and Machinery	Hyderabad	35.43	-	32.43	-	17.60	-
56 AICRP on Jaggery and Khandsari	Hyderabad	4.12	-	7.25	-	7.10	-
57 AICRP on Post Harvest Technology	Hyderabad	10.90	2.16	8.08	3.48	1.15	-
58 AICRP on Maize	Hyderabad	36.10	36.10	20.75	20.75	24.45	24.45
59 AICRP on Maize	Karimnagar	8.14	8.14	6.69	6.69	7.26	7.26
60 AICRP on Pearl Millet	Anantapur	5.10	5.10	5.93	5.93	14.44	14.44
61 AICRP on Small Millet	Nandyal	7.95	7.95	10.27	10.27	13.50	13.50

62 AICRP on Soybean	Lam	4.47	4.47	4.89	4.89	4.94	4.94
63 AICRP on Groundnut	Jagtial	3.67	3.67	3.75	3.75	7.98	7.98
64 AICRP on Groundnut	Kadri	11.03	11.03	12.00	12.00	19.13	19.13
65 AICRP on Groundnut	Palem	1.84	1.84	1.88	1.88	Closed	Closed
66 AICRP on MULLARP	Lam	17.61	17.61	21.02	21.02	31.76	31.76
67 AICRP on Pigeonpea	Warrangal	10.91	10.91	12.75	12.75	18.53	18.53
68 AICRP on Tobacco	Nandyal	5.64	4.89	6.09	5.34	11.63	6.21
69 AICRP on Sugarcane	Anakapalle	7.23	6.94	10.27	8.16	18.15	13.12
70 AICRP on Jute and Allied Fibres	Amadala valas	11.93	11.93	13.98	13.98	39.82	23.03
71 AICRP on Cotton	Guntur	12.07	12.07	12.38	12.38	32.90	32.90
72 AICRP on Cotton	Nandyal	5.70	5.70	5.62	5.62	14.87	14.87
73 National Seed Project	Hyderabad	17.92	24.09	47.75	34.96	44.15	61.10
74 Breed Seed Production	Hyderabad	10.39	10.39	10.39	10.39	10.39	6.40
75 AICRP on Rodent Control	Hyderabad	3.25	3.68	3.25	3.04	17.00	6.52
76 AICRP on Honey Bee	Hyderabad	3.37	3.40	3.99	5.51	12.28	8.34
77 AICRP on Biological Control	Hyderabad	5.33	2.98	6.36	5.43	6.14	4.80
78 AICRP on Pesticide	Hyderabad	4.63	3.63	3.63	3.67	9.37	12.12
79 Sugarcane Breeding Institute	Kovvuru	8.29	8.29	7.99	7.99	4.89	4.89

NON-PLAN (Rs. in lakhs)

S. No.	Name of the Institute/Scheme	Location	1998-99		1999-2000		2000-2001	
			Allocation	Expenditure	Allocation	Expenditure	Allocation	Expenditure
1.	NRC Sorghum	Hyderabad	294.97	288.72	228.10	227.95	282.46	271.80
2.	AICRP Sorghum	Hyderabad						
3.	PD Rice Research	Hyderabad	343.00	307.99	322.00	322.00	333.00	320.60
4.	AICRP Rice	Hyderabad						
5.	Central Tobacco Research Institute	Rajamundri	750.00	749.98	760.60	765.56	805.00	807.66
6.	PD Oilseed Research	Hyderabad	270.50	270.49	249.00	248.99	270.00	269.61
7	AICRP Linseed	Hyderabad						
8.	AICRP Sesame & Niger	Hyderabad						
9.	Network Economics	Hyderabad						
10.	NRC Oilpalm	Pedayagi	39.00	38.99	121.50	104.48	137.00	136.86
11.	Central Research Institute for Dryland Agriculture	Hyderabad	428.40	425.79	434.75	430.69	499.00	478.25
12.	AICRP Agro meterology	Hyderabad				10.00	11.09	
13.	AICRP Dryland Agriculture	Hyderabad				15.00	6.57	
14.	PD Poultry Research	Hyderabad	91.00	87.70	119.50	115.40	143.00	136.43
15.	AICRP Poultry Research	Hyderabad						
16.	AICRP Cattle	Hyderabad						
17.	NAARM	Hyderabad	352.00	311.24	305.00	303.77	369.00	335.09
18.	NRC Meat	Hyderabad						
19.	ZCU, Zone-V	Hyderabad						

ANNEXURE-II

SIGNIFICANT ACHIEVEMENTS MADE AND THEIR IMPACT ON THE AGRICULTURAL PRODUCTION IN ANDHRA PRADESH

- In sugarcane 19 promising clones have been identified for juice quality.

- As curing contributes to about 30 per cent of the cost of cultivation of FCV tobacco,concerted efforts were made to save fuel by insulating the roof, ventilators and doors of the barn with strawmit and external plastering of the roof with cement, thermocole mixture. This technology has resulted in saving of curing cost by about 25 to 30 per cent. Package of practices including control of pests and diseases have been developed for different crops.

- A triple harvesting technique was developed for dual purpose maize wherein the green fodder, semi dry fodder and cobs are harvested sequentially without affecting the seed yield.

- A strategy for in suit incorporation of N rich biomass was developed by growing horsegram using post monsoon rainfall, with a saving of 20 kg N for the subsequent crop.

- P - solublising bacterial strain Pseudomonas fluorescence was isolated and protocol was standardized for its mass production.

- Drill plough and CRIDA groundnut planter were patented.

- Prototypes of groundnut stripper and tractor mounted, air assisted orchard sprayer was developed.

- Elite clones of tamarind, jamun and custard apple were isolated from Andhra Pradesh, Maharashtra, Tamil Nadu and Karnataka.

- Around 500 trainees, subject matter specialists and senior extension personnel were trained in over 50 training courses held at Central Research Institute for Dryland Agriculture, Hyderabad.

- Over 4000 farmers, farm women and rural youth were trained in rainfed agricultural technology.

- Around 650 farm implements costing over Rs. 6.40 lakhs were sold to farmers.

- A technology for fertilizer recommendations based on soil test for obtaining yield of major crops like rice, maize, groundnut, sunflower, sugarcane, chili and a ready reckoner has been prepared.

- Drought tolerant strains of Rhizobia for different pulse and oilseed crops have been isolated.

- Bullock drawn ferti-seed planter for oilseed (castor, groundnut and sunflower) and other dryland crops resulted in saving in cost of approx. Rs. 100/ha as compared to conventional method.

- A sunflower thresher with 5 hp electric motor, having an output capacity of approx. 150 kg/h has been developed and is being commercially manufactured.

- Power operated groundnut pod stripper reduced cost of stripping by half as compared to manual traditional methods and resulted in 99 per cent stripping efficiency and there was no damage to the pods.

- The adoption of sub surface system of drainage resulted in reduction of soil electric conductivity.

- There was substantial increase in the crop yields - Rice 14-30 per cent, Sugarcane 65 per cent and Betelvine 20-30 per cent due to adoption of sub surface system.

- Under the mariculture activities, the technologies for onshore pearl oyster farming and pearl production as well as the tissue culture of seaweeds have been perfected for commercialization. Consultancy on onshore pearl culture technology has been given to a number of enterprises.

- The post harvest technologies developed by Central Institute of Fisheries Technology has resulted in increase in the export of fish and fishery products.

- Crossbred pigs produced have been found to be superior in back fat thickness and in lean cuts over indigenous pigs, have higher feed conversion efficiency and were heavier at contemporary ages than that of indigenous pigs.

- Different kinds of complete feed were formulated and developed utilizing locally available crop residues. The impact of research has resulted in reduction in the cost of milk, meat and eggs and due to the balanced diet also there is increase in the production of milk and egg.

- The epidemiology of Foot and Mouth Disease has been determined.

- The Council has 16 Krishi Vigyan Kendras and one Trainer`s Training Centre in Andhra Pradesh.During the year 2000-01, the Krishi Vigyan Kendras have organized 1147 training programmes for the benefit of 26556 farmers including farm women, rural youths and extension functionaries.